

## Conformal Coating for Gate Drivers



### In-Line Conformal Coating Enhances Reliability and Protection

#### Applications

- Offshore and onshore wind parks
- Railway main and auxiliary inverters
- High Voltage DC transmission systems (HVDC)
- Photovoltaic inverters
- Medium voltage drives in mining and oil and gas industry

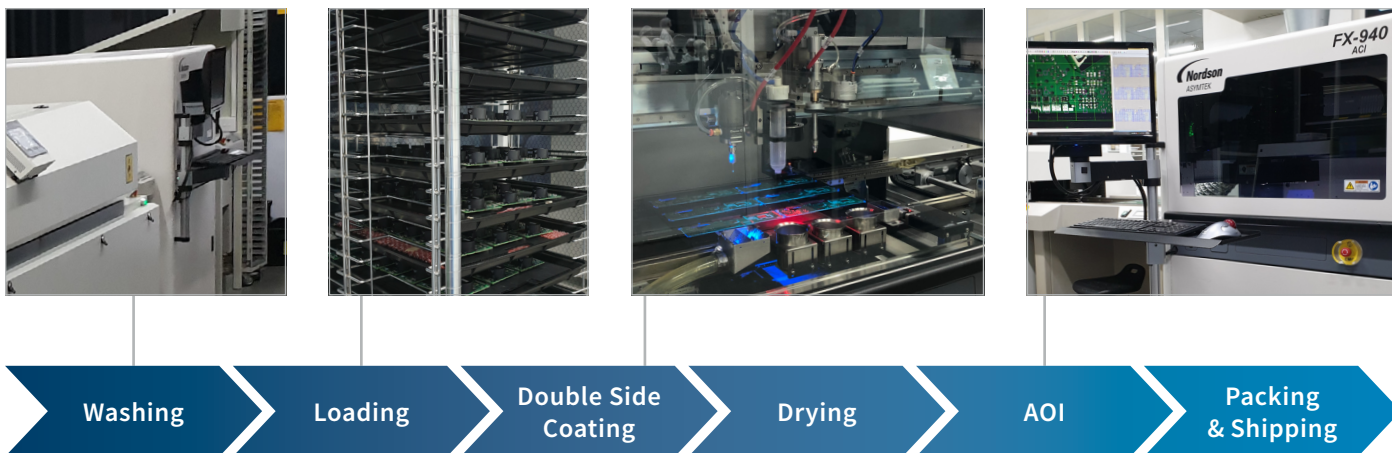
#### Qualification

- Qualification is based on tests in accordance with IEC 60068-2-xx
- Vibration (sinusoidal) test parameters according to IEC 60068-2-6:2008-10
- Shock test parameters according to IEC 60068-2-27:2010-02
- Damp heat, steady-state test parameters according to IEC 60068-2-78:2012-10
- Cold test parameters according to IEC 60068-2-1:2007-03
- Dry heat test parameters according to IEC 60068-2-2:2007-07
- Thermal cycle test parameters according to IEC 60068-2-14:2009-01
- Salt mist test parameters according to IEC 60068-2-11

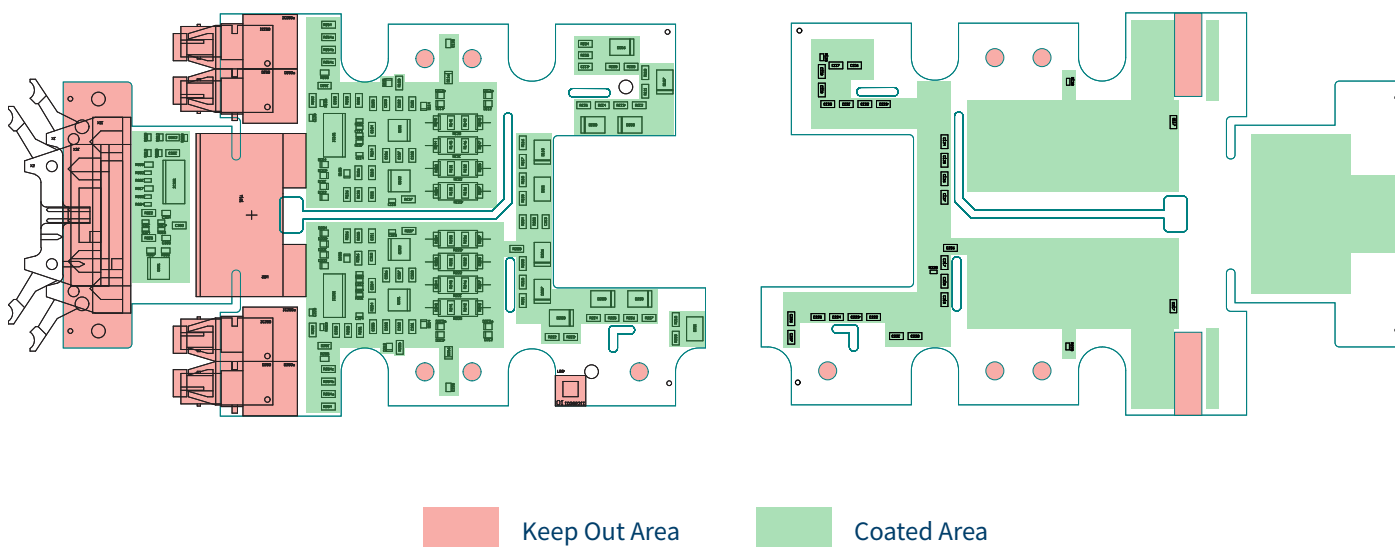
#### Key Features

- Reduced total cost of ownership and streamlined production
- Internal solutions and specialized subcontractors become obsolete
- Full conformal coating qualification with testing in accordance with IEC 60068-2 standards
- Controlled process with 100% automatic optical inspection at end-of-line
- SCALE™-2+ gate driver cores retain UL recognition
  - E321757 for UL 508C (NMMS2/8)
  - E346491 for UL 60950-1C (NWGQ2/8)
- Extended warranty available with conformal coating

## Conformal Coating – In-Line Process Flow



## Typical Coated and Keep Out Areas (2SP0320V2Ax-xxxx)



## Ordering Information

Part Number	Part Number	Part Number
2SC0106T2A1C-12 (1)	2SP0115T2A0C-xxxx (2)	2SC0115T2A0C-12
2SC0108T2F1C-17 (1)	2SP0115T2B0C-xxxx (2)	2SD300C17A2C
2SC0108T2G0C-17 (1)	2SP0115T2C0C-xxxx (2)	2SD300C17A3C
2SC0108T2H0C-17 (1)	1SP0335V2M1C-xxxx (2)	2SC0535T2A1C-33
2SC0108T2D0C-12 (1)	1SP0335S2M1C-xxxx (2)	2SC0535T2G0C-33
2SC0435T2F1C-17	1SP0335D2S1C-xxxx (2)	1SP0635V2M1C-xxxx
2SC0435T2G1C-17 (1)	1SC0450E2B0C-xx	1SP0635S2M1C-xxxx
2SC0435T2H0C-17 (1)	1SC0450V2B0C-xx	2SP0320T2A0C-xxxx

Other Products On Request